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(54) **EMBEDDED UNIVERSAL INTEGRATED
CIRCUIT CARD (eUICC) FILE SYSTEM
MANAGEMENT WITH PROFILE
SWITCHING**

(52) **U.S. Cl.**

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(57)

ABSTRACT

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Methods and apparatus for dynamic file system management of an embedded Universal Integrated Circuit Card (eUICC) in response to changes for electronic Subscriber Identity Modules (eSIMs) on the eUICC are disclosed herein. Hardware specific file information, e.g., hardware-based eUICC parameters, which may apply to multiple eSIMs and/or multiple Mobile Network Operators (MNOs), is included in a default eUICC file system. MNO specific information, e.g., MNO-specified parameters, is included in eSIMs. Customized eUICC level files are created, stored, modified and/or replaced based on a combination of default eUICC files and MNO specific information extracted from an eSIM at installation and/or in response to a change of state of the eSIM, such as when enabling, disabling, or updating the eSIM on the eUICC.

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